Figure 1 (page 1 of 3)

```
ATGATGTGCTTAAAGATCCTAAGAATAAGCCTGGCGATTTTGGCTGGGTGGGCACTCTGT   60
M  M  C  L  K  I  L  R  I  S  L  A  I  L  A  G  W  A  L  C    (20)

TCTGCCAACTCTGAGCTGGGCTGGACACGCAAGAAATCCTTGGTTGAGAGGGAACACCTG  120
S  A  N  S  E  L  G  W  T  R  K  K  S  L  V  E  R  E  H  L    (40)

AATCAGGTGCTGTTGGAAGGAGAACGTTGTTGGCTGGGGGCCAAGGTTCGAAGACCCAGA  180
N  Q  V  L  L  E  G  E  R  C  W  L  G  A  K  V  R  R  P  R    (60)

GCTTCTCCACAGCATCACCTCTTTGGAGTCTACCCCAGCAGGGCTGGGAACTACCTAAGG  240
A  S  P  Q  H  H  L  F  G  V  Y  P  S  R  A  G  N  Y  L  R    (80)

CCCTACCCCGTGGGGGAGCAAGAAATCCATCATACAGGACGCAGCAAACCAGACACTGAA  300
P  Y  P  V  G  E  Q  E  I  H  H  T  G  R  S  K  D  D  T  E    (100)

GGAAATGCTGTGAGCCTTGTTCCCCCAGACCTGACTGAAAATCCAGCAGGACTGAGGGCT  360
G  N  A  V  S  L  V  P  P  D  L  T  E  N  P  A  G  L  R  G    (120)

GCAGTTGAAGAGCCGGCTGCCCCATGGGTAGGGGATAGTCCTATTGGGCAATCTGAGCTG  420
A  V  E  E  P  A  A  P  W  V  G  D  S  P  I  G  Q  S  E  L    (140)

CTCGGAGATGATCACCCTTATCTCGGCAATCAAAGATCCAAGGAGTCTCTAGGTGAGGCC  480
L  G  D  D  D  A  Y  L  G  N  Q  R  S  K  E  S  L  G  E  A    (160)

GGGATTCACAAAGCCTCAGCCATGGCTGCCACTACTACCACCGCCATTTTCACAACCCTG  540
G  I  Q  K  G  S  A  M  A  A  T  T  T  T  A  I  F  I  T  L    (180)

AACGAACCCAAACCAGAGACCCAAAGGAGGGGCTGGGCCAACTCCAGGCAGCGTCGCCAA  600
N  E  P  K  P  E  T  Q  R  R  G  W  A  K  S  R  Q  R  R  Q    (200)

GTGTGGAAGAGGCGGGCGGAAGATGGGCAGGGAGACTCCGGTATCTCTTCACATTTCCAA  660
V  W  K  R  R  A  E  D  G  Q  G  D  S  G  I  S  S  H  F  Q    (220)

CCTTGGCCCAAGCATTCCCTTAAACACAGGGTCAAAAAGAGTCCACCGGAGGAAAGCAAC  720
P  W  P  K  H  S  L  K  H  R  V  K  K  S  P  P  E  E  S  N    (240)

CAAAATGGTGGAGAGGGCTCCTACCGAGAAGCAGAGACCTTTAACTCCCAAGTAGGACTG  780
Q  N  G  G  E  G  S  Y  R  E  A  E  T  F  N  S  Q  V  G  L    (260)

CCCATCTTATACTTCTCTCCGAGGCGGGAGCGGCTGCTGCTGCGTCCAGAAGTGCTGGCT  840
P  I  L  Y  F  S  G  R  R  E  R  L  L  L  R  P  E  V  L  A    (280)

GAGATTCCCCGGGAGGCGTTCACAGTGGAAGCGTGGCTTAAACCGGAGGGAGGACAGAAC  900
E  I  P  R  E  A  F  T  V  E  A  W  V  K  P  E  G  G  Q  N    (300)

AACCCAGCCATCATCGCAGGTGTGTTTGATAACTGCTCCCACACTGTCAGTGACAAAGGC  960
N  P  A  I  I  A  G  V  F  D  N  C  S  H  T  V  S  D  K  G    (320)

TGGGCCCTGGGGATCCGCTCAGGGAAGGACAAGGGAAAGCGGGATGCTCGCTTCTTCTTC 1020
W  A  L  G  I  R  S  G  K  D  K  G  K  R  D  A  R  F  F  F    (340)

TCCCTCTGCACCGACCGCGTGAAGAAAGCCACCATCTTGATTAGCCACAGTCGCTACCAA 1080
S  L  C  T  D  R  V  K  K  A  T  I  L  I  S  H  S  R  Y  Q    (360)

CCAGGCACATGGACCCATGTGGCAGCCACTTACGATGGACGGCACATGGCCCTGTATGTG 1140
P  G  T  W  T  H  V  A  A  T  Y  D  G  R  H  M  A  L  Y  V    (380)

GATGGCACTCAGGTGGCTAGCAGTCTAGACCAGTCTGGTCCCCTGAACAGCCCCTTCATG 1200
D  G  T  Q  V  A  S  S  L  D  Q  S  G  P  L  N  S  P  F  M    (400)

GCATCTTGCCGCTCTTTCCTCCTGCCCGGAGACAGCTGTCACGATGGGCAGTATTTCCGT 1260
A  S  C  R  S  L  L  L  G  G  D  S  S  E  D  G  H  Y  F  R    (420)

GGACACCTGGGCACACTGGTTTTCTGGTCGACCGCCCTGCCACAAAGCCATTTTCAGCAC 1320
G  H  L  G  T  L  V  F  W  S  T  A  L  P  Q  S  H  F  Q  H    (440)

AGTTCTCAGCATTCAAGTGGGGAGGAGGAAGCGACTGACTTGGTCCTGACAGCGAGCTTT 1380
S  S  Q  H  S  S  G  E  E  E  A  T  D  L  V  L  T  A  S  F    (460)

GAGCCTGTGAACACAGAGTGGGTTCCCTTTAGAGATGAGAAGTACCCACGACTTGAGGTT 1440
E  P  V  N  T  E  W  V  P  F  R  D  E  K  Y  P  R  L  E  V    (480)

CTCCAGGGCTTTGAGCCAGAGCCTGAGATTCTGTCGCCTTTGCAGCCCCCACTCTGTGGG 1500
L  Q  G  F  E  P  E  P  E  I  L  S  P  L  Q  P  P  L  C  G    (500)

CAAACACTCTCTCACAATGTGCAATTCATCTCCCAGTACAATGGATACTGGCCCCTTCGG 1560
Q  T  V  C  D  N  V  E  L  I  S  Q  Y  N  G  Y  W  P  L  R    (520)

GGAGAGAAGGTGATACGCTACCAGGTGGTGAACATCTGTGATGATGAGGGCCTAAACCCC 1620
G  E  K  V  I  R  Y  Q  V  V  N  I  C  D  D  E  G  L  N  P    (540)

ATTGTGAGTGAGGAGCAGATTCGTCTGCAGCACGAGGCACTGAATGAGGCCTTCAGCCGC 1680
I  V  S  E  E  Q  I  R  L  Q  H  E  A  L  N  E  A  F  S  R    (560)

TACAACATCAGCTGGCAGCTGAGCGTCCACCAGGTCCACAATTCCACCCTGCGACACCGG 1740
Y  N  I  S  W  Q  L  S  V  H  Q  V  H  N  S  T  L  R  H  R    (580)

CTTGTGCTTGTCAACTGTGAGCCCAGCAAGATTGGCAATGACCATTGTGACCCCGAGTGT 1800
V  V  L  V  N  C  E  P  S  K  I  G  N  D  H  C  D  P  E  C    (600)
```

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```
GAGCACCCACTCACAGGCTATGATCCCCGTCACTGCCGCCTGCAGGGCCGCTGCTACTCC   1860
E  H  P  L  T  G  Y  D  G  G  D  C  R  L  Q  G  R  C  Y  S      (620)

TGGAACCGCAGGGATGGGCTCTGTCACGTGGAGTGTAACAACATGCTGAACGACTTTGAC   1920
W  N  R  R  D  G  L  C  H  V  E  C  N  N  M  L  N  D  F  D      (640)

GACGGAGACTGCTGCGACCCCCAGGTGGCTGATGTGCGCAAGACCTGCTTTGACCCTGAC   1980
D  G  D  C  C  D  P  Q  V  A  D  V  R  K  T  C  F  D  P  D      (660)

TCACCCAAGAGGGCATACATGAGTGTGAAGGAGCTGAAGGAGGCCCTGCAGCTGAACAGT   2040
S  P  K  R  A  Y  M  S  V  K  E  L  K  E  A  L  Q  L  N  S      (680)

ACTCACTTCCTCAACATCTACTTTGCCAGCTCAGTGCGGGAAGACCTTGCAGGTGCTGCC   2100
T  N  F  L  N  I  Y  F  A  S  S  V  R  E  D  L  A  G  A  A      (700)

ACCTGGCGTTCGCACAAGGACGGCTGTCACTCACCTGGGTGGCATTGTCCTCAGCCCAGCA   2160
T  W  P  W  D  K  D  A  V  T  H  L  G  G  I  V  L  S  P  A      (720)

TATTATGGGATGCCTGCCCACACCGACACCATCATCCATGAAGTGGGACATGTTCTGGGA   2220
Y  Y  G  M  P  G  H  T  D  T  M  I  H  E  V  G  H  V  L  G      (740)

CTCTACCATGTCTTTAAAGGAGTCAGTGAAACACAATCCTGCAATGACCCCTGCAACGAG   2280
L  Y  H  V  F  K  G  V  S  E  R  E  S  C  N  D  P  C  K  E      (760)

ACAGTGCCATCCATGGAAACGGGAGACCTCTGTGCCGACACCGCCCCCACTCCCAAGACT   2340
T  V  P  S  M  E  T  G  D  L  C  A  D  T  A  P  T  P  K  S      (780)

GAGCTGTGCCGGGAACCAGAGCCTACTAGTGACACCTGTGGCTTCACTCGCTTCCCAGGG   2400
E  L  C  R  E  P  E  P  T  S  D  T  C  G  F  T  R  F  P  G      (800)

GCTCCGTTCACCAACTACATGAGCTACACGGATGATAACTGCACTGACAACTTCACTCCT   2460
A  F  F  T  N  Y  M  S  Y  T  D  D  N  C  T  D  N  F  T  P      (820)

AACCAAGTCGCCCCGAATGCATTGCTATTTGGACCTAGTCTATCAGCAGTGGACTGAAAGC   2520
N  Q  V  A  R  M  H  C  Y  L  D  L  V  Y  Q  Q  W  T  E  S      (840)

ACAAAGCCCACCCCCATCCCCATTCCACCTATGGTCATCGGACAGACCAACAAGTCCCTC   2580
R  K  P  T  P  I  P  P  M  V  I  G  Q  T  N  K  S  L      (860)

ACTATCCACTGGCTGCCTCCTATTAGTGGAGTTCTATATCACAGGGCCTCACCCACCTTC   2640
T  I  H  W  L  P  P  I  S  G  V  V  Y  D  R  A  S  G  S  L      (880)

TGTGGCGCTTGCACTGAAGATGGGACCTTTCGTCAGTATGTGCACACAGCTTCCTCCCGG   2700
C  G  A  C  T  E  D  G  T  F  R  Q  Y  V  H  T  A  S  S  R      (900)

CGGGTGTGTGACTCCTCAGGTTATTGGACCCCAGAGGAGGCTGTGGGGCCTCCTGATGTG   2760
R  V  C  D  S  S  G  Y  W  T  P  E  E  A  V  G  P  P  D  V      (920)

GATCAGCCCTGCGAGCCAAGCTTACAGGCCTGGAGCCCTGAGGTCCACCTGTACCACATG   2820
D  Q  P  C  E  P  S  L  Q  A  W  S  P  E  V  H  L  Y  H  M      (940)

AACATCACGGTCCCCTGCCCCACAGAAGGCTGTAGCTTGGAGCTGCTCTTCCHACACCCG   2880
N  M  T  V  P  C  P  T  E  G  C  S  L  E  L  L  F  Q  E  P      (960)

GTCCAAGCCGACACCCTCACCCTGTCGGTCACTTCGTTCTTCATGGAGTCCTCGCAGGTC   2940
V  Q  A  D  T  L  T  L  W  V  T  S  F  F  M  E  S  S  Q  V      (980)

CTCTTTGACACAGAGATCTTGCTGGAAAACAAGGAGTCAGTGCCACCTGGGCCCCTTACAC   3000
L  F  D  T  E  I  L  L  E  N  K  E  S  V  H  L  G  P  L  D      (1000)

ACTTTCTGTGACATCCCACTCACCATCAAACTGCACGTGGATGGGAAGGTGTCGGGGGTG   3060
T  F  C  D  I  P  L  T  I  K  L  H  V  D  G  K  V  S  G  V      (1020)

AAAGTCTACACCTTTGATGAGAGGATAGAGATTGATGCAGCACTCCTGACTTCTCAGCCC   3120
K  V  Y  T  F  D  E  R  I  E  I  D  A  A  L  L  T  S  Q  P      (1040)

CACAGTCCCTTGTGCTCTGGCTGCAGGCCTGTGAGGTACCAGGTTCTCCGCGATCCCCCA   3180
H  S  P  L  C  S  G  C  R  P  V  R  Y  Q  V  L  R  D  P  P      (1060)

TTTGCCAGTGGTTTGCCCGTGGTGGTGACACATTCTCACAGGAAGTTCACGGACGTGGAG   3240
F  A  S  G  L  P  V  V  V  T  H  S  H  R  K  F  T  D  V  E      (1080)

GTCACACCTGGACAGATGTATCAGTACCAAGTTCTAGCTGAAGCTGGAGGAGAACTGGGA   3300
V  T  P  G  Q  M  Y  Q  Y  Q  V  L  A  E  A  G  G  E  L  G      (1100)

GAAGCTTCGCCTCCTCTGAACCACATTCATGGAGCTCCTTATTGTGGAGATCCCAAGCTG   3360
E  A  S  P  P  L  N  H  I  H  C  A  P  Y  C  G  D  G  K  V      (1120)

TCAGAGAGACTGGGAGAAGAGTGTGATGATGGAGACCTTGTGAGCGGAGATGGCTGCTCC   3420
S  E  R  L  G  E  E  C  D  D  G  D  L  V  S  C  D  G  C  S      (1140)

AACGTGTGTGAGCTGGAGGAAGGTTTCAACTGTGTAGGAGAGCCAAGCCTTTGCTACATG   3480
K  V  C  E  L  E  E  G  F  N  C  V  G  E  P  S  L  C  Y  M      (1160)

TATCAGCCAGATCCCATATGTGAACCTTTTCAGAGAAAAACCAGCATTGTAGACTGTGGC   3540
Y  E  G  D  G  I  C  E  P  F  E  R  K  T  S  I  V  D  C  G      (1180)

ATCTACACTCCCAAAGGATACTTGGATCAATGGGCTACCCCGCCTTACTCCTCTCATGAA   3600
I  Y  T  P  K  G  Y  L  D  Q  W  A  T  R  A  Y  S  S  H  E      (1200)
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GACAAGAAGAAGTGTCCTGTTTCCTTGGTAACTGGAGAACCTCATTCCCTAATTTGCACA 3660
D K K K C P V S L V T G E P H S L I C T (1220)

TCATACCATCCAGATTTACCCAACCACCGTCCCCTAACTGGCTGGTTTCCCTGTGTTGCC 3720
S Y H P D L P N H R P L T G W F P C V A (1240)

AGTGAAAATGAAACTCAGGATGACAGGAGTGAACAGCCAGAAGGTAGCCTGAAGAAAGAG 3780
S E N E T Q D D R S E Q P E G S L K K E (1260)

GATGAGGTTTGGCTCAAAGTGTGTTTCAATAGACCAGGAGAGGCCAGAGCAATTTTTATT 3840
D E V W L K V C F N R P G E A R A I F I (1280)

TTTTTGACAACTGATGGCCTAGTTCCCGGAGAGCATCAGCAGCCGACAGTGACTCTCTAC 3900
F L T T D G L V P G E H Q Q P T V T L Y (1300)

CTCACCGATGTCCGTGGAAGCAACCACTCTCTTGGAACCTATGGACTGTCATGCCAGCAT 3960
L T D V R G S N H S L G T Y G L S C Q H (1320)

AATCCACTCATTATCAATGTGACCCATCACCAGAATGTCCTTTTCCACCATACCACCTCA 4020
N P L I I N V T H H Q N V L F H H T T S (1340)

GTGCTGCTGAATTTCTCATCCCCACGCGTCGGCATCTCAGCTGTGGCTCTAAGGACATCC 4080
V L L N F S S P R V G I S A V A L R T S (1360)

TCCCGCATTGGTCTTTCGGCTCCCAGTAACTGCATCTCAGACGACCAGGGGCAGAATCAT 4140
S R I G L S A P S N C I S D D Q G Q N H (1380)

CAGGGACAGAGCTGTATCCATCGGCCCTGTGGGAAGCAGGACAGCTGTCCGTCATTGCTG 4200
Q G Q S C I H R P C G K Q D S C P S L L (1400)

CTTGATCATGCTGATGTGGTGAACTGTACCTCTATAGGCCCAGGTCTCATGAAGTGTGCT 4260
L D H A D V V N C T S I G P G L M K C A (1420)

ATCACTTGTCAAAGGGGATTTGCCCTTCAGGCCAGCAGTGGGCAGTACATCAGGCCCATG 4320
I T C Q R G F A L Q A S S G Q Y I R P M (1440)

CAAAAGGAAATTCTGCTCACATGTTCTTCTGGGCACTGGGACCAGAATGTGAGCTGCCTT 4380
Q K E I L L T C S S G H W D Q N V S C L (1460)

CCCGTGGACTGCGGTGTTCCCGACCCCTCTTTGGTGAACTATGCAAACTTCTCCTGCTCA 4440
P V D C G V P D P S L V N Y A N F S C S (1480)

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E G T K F L K R C S I S C V P P A K L Q (1500)

GGACTGAGCCCATGGCTGACATGTCTTGAAGATGGTCTCTGGTCTCTCCCTGAAGTCTAC 4560
G L S P W L T C L E D G L W S L P E V Y (1520)

TGCAAGTTGGAGTGTGATGCTCCCCCTATTATTCTGAATGCCAACTTGCTCCTGCCTCAC 4620
C K L E C D A P P I I L N A N L L L P H (1540)

TGCCTCCAGGACAACCACGACGTGGGCACCATCTGCAAATATGAATGCAAACCAGGGTAC 4680
C L Q D N H D V G T I C K Y E C K P G Y (1560)

TATGTGGCAGAAAGTGCAGAGGGTAAAGTCAGGAACAAGCTCCTGAAGATACAATGCCTG 4740
Y V A E S A E G K V R N K L L K I Q C L (1580)

GAAGGTGGAATCTGGGAGCAAGGCAGCTGCATTCCTGTGGTGTGTGAGCCACCCCCTCCT 4800
E G G I W E Q G S C I P V V C E P P P P (1600)

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V F E G M Y E C T N G F S L D S Q C V L (1620)

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N C N Q E R E K L P I L C T K E G L W T (1640)

CAGGAGTTTAAGTTGTGTGAGAATCTGCAAGGAGAATGCCCACCACCCCCCTCAGAGCTG 4980
Q E F K L C E N L Q G E C P P P P S E L (1660)

AATTCTGTGGAGTACAAATGTGAACAAGGATATGGAATTGGTGCAGTGTGTTCCCCATTG 5040
N S V E Y K C E Q G Y G I G A V C S P L (1680)

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E H W M E P V K V Q S I V C T G R R Q W (1720)

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H P D P V L V H C I Q S C E P F Q A D G (1740)

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W C D T I N N R A Y C H Y D G G D C C S (1760)

TCCACACTCTCCTCCAAGAAGGTCATTCCATTTGCTGCTGACTGTGACCTGGATGAGTGC 5340
S T L S S K K V I P F A A D C D L D E C (1780)

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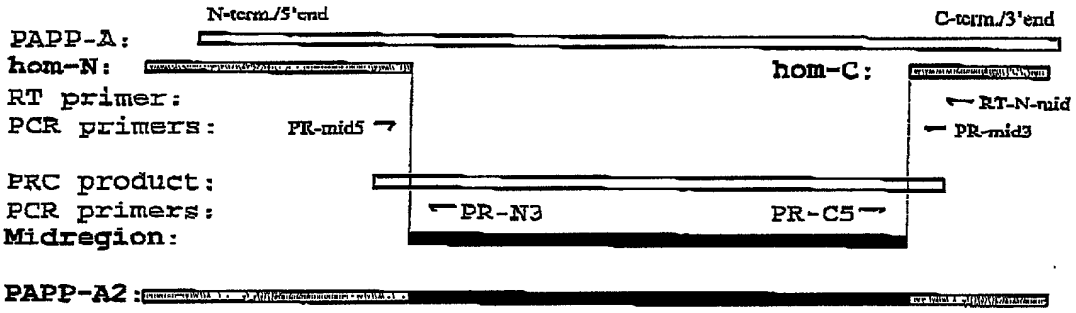
Figure 2 (page 1 of 1)



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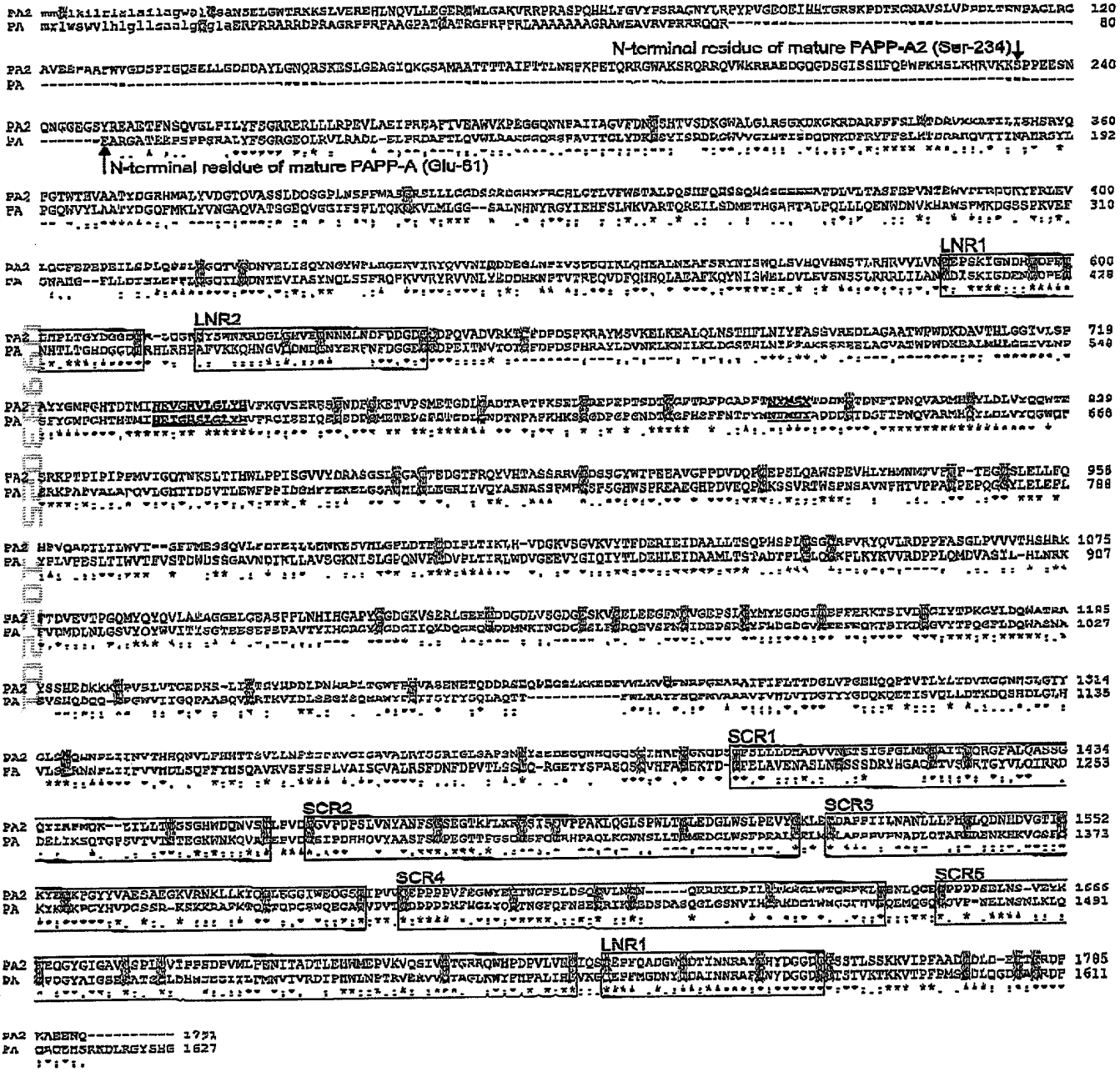
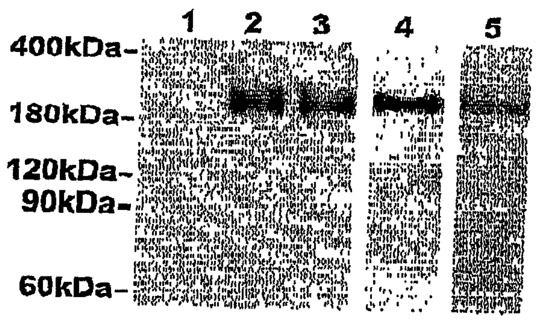


Figure 4 (page 1 of 1)



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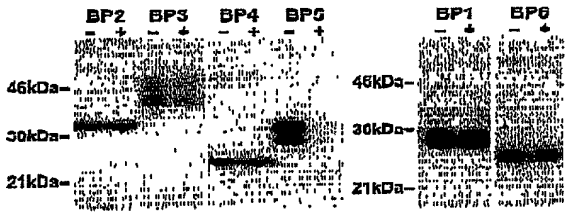


Figure 6 (page 1 of 1)

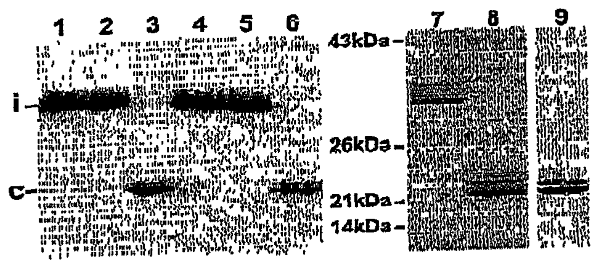
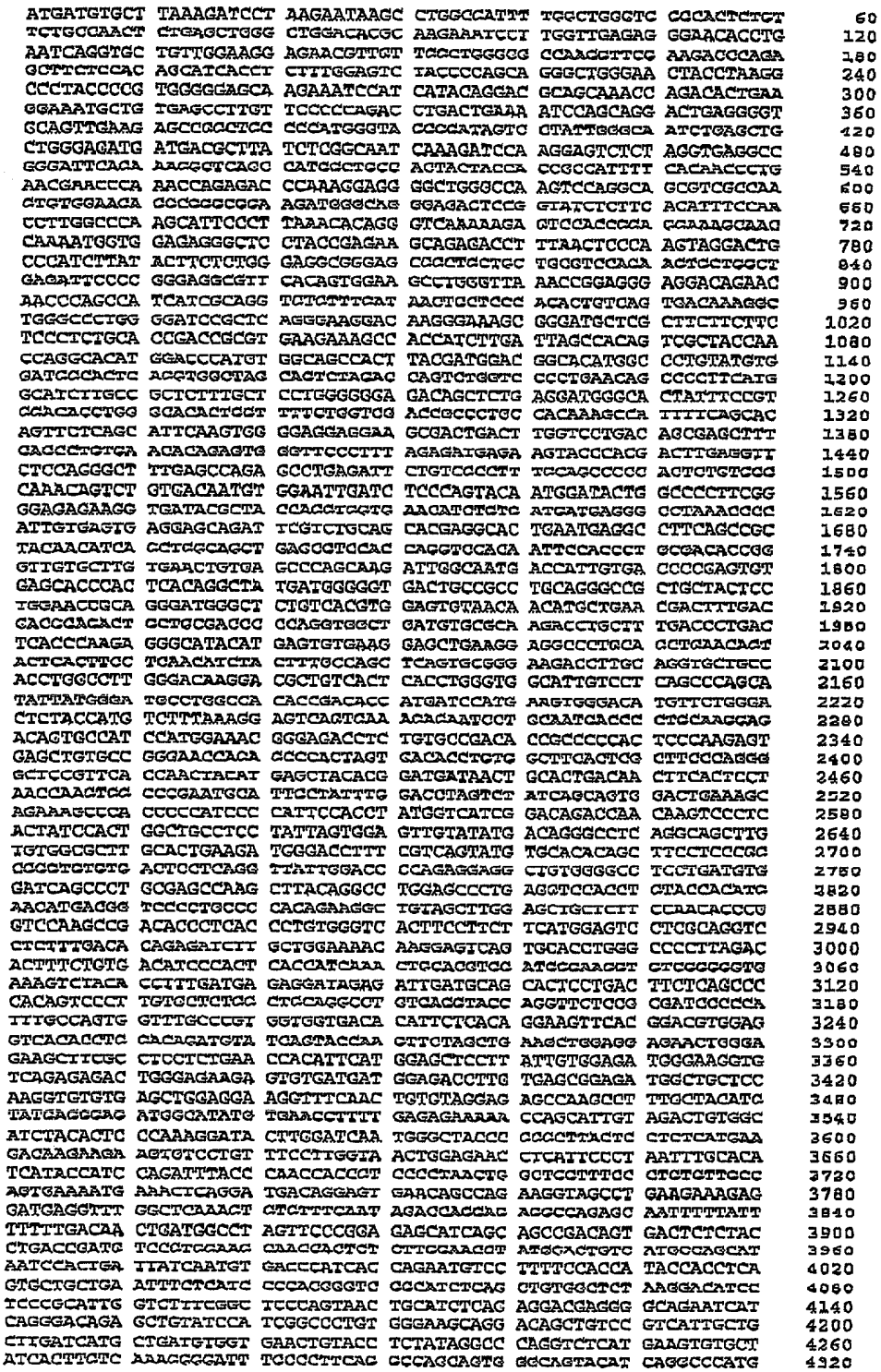


Figure 7 (page 1 of 2)



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GGACTCAGCC CATGGCTGAC ATCTCTTCAA CATGGTGTCT GGTCTCTCCC TGAAGTCTAC   4560
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TGCCTCCAGG ACAACCACGA CGTGGGCACC ATCTGCAAAT ATGAATGCAA ACCAGGGTAC   4680
TATGTGGCAG AAAGTGCAGA GGGTAAAGTC AGGAACAAGC TCCTGAAGAT ACAATGCCTG   4740
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CACCCAGACC CCGTGTTACT CCACTGCATC CAGTCATGTG AGCCCTTCCA AGCAGATGGT   5220
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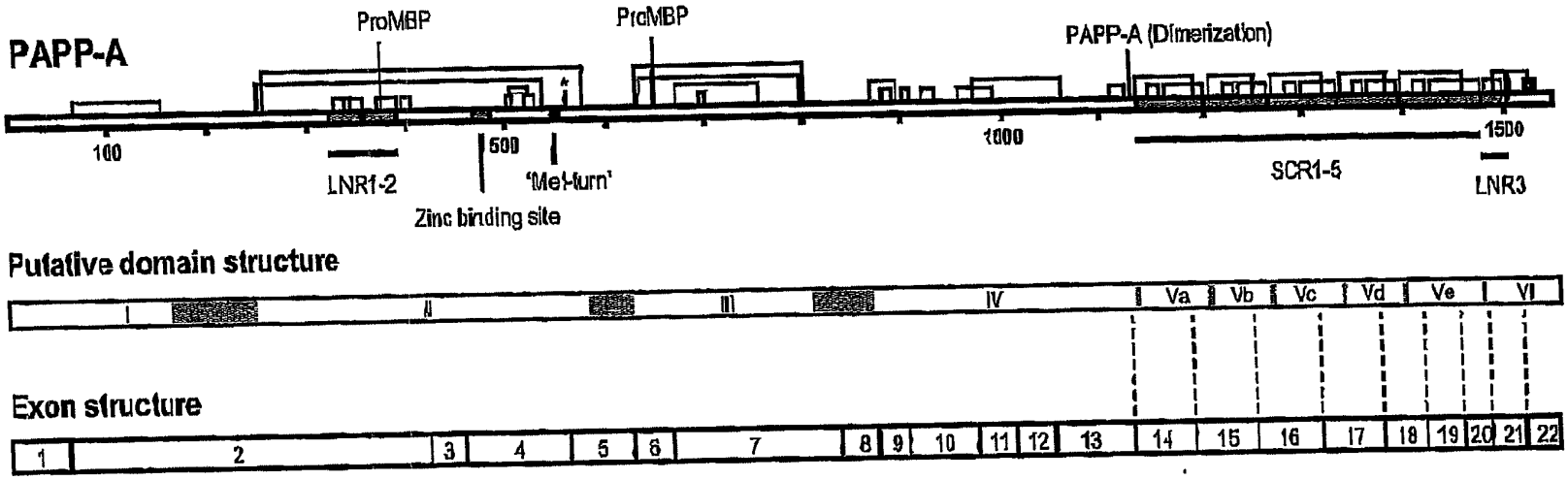

Figure 8 (page 1 of 1)